

OCT 15 2001

TECH CENTER 1600/2900

1644

#6

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/458,298

DATE: 10/01/2001

TIME: 15:20:41

Input Set : A:\146 SEQLIST.TXT

Output Set: N:\CRF3\10012001\I458298.raw

ENTERED

p.5

4 <110> APPLICANT: Epimmune
5 Fikes, John
6 Sette, Alessandro
7 Sidney, John
8 Southwood, Scott
9 Chesnut, Robert
10 Celis, Esteban
11 Keogh, Elissa
14 <120> TITLE OF INVENTION: INDUCING CELLULAR IMMUNE RESPONSES TO
15 MAGE2/3 USING PEPTIDE AND NUCLEIC ACID COMPOSITIONS
18 <130> FILE REFERENCE: 018623-014600US
20 <140> CURRENT APPLICATION NUMBER: US 09/458298
C--> 21 <141> CURRENT FILING DATE: 1998-12-10
23 <150> PRIOR APPLICATION NUMBER: US 09/189,702
24 <151> PRIOR FILING DATE: 1998-11-10
26 <150> PRIOR APPLICATION NUMBER: US 08/205,713
27 <151> PRIOR FILING DATE: 1994-03-04
29 <150> PRIOR APPLICATION NUMBER: US 08/159,184
30 <151> PRIOR FILING DATE: 1993-11-29
32 <150> PRIOR APPLICATION NUMBER: US 08/073,205
33 <151> PRIOR FILING DATE: 1993-06-04
35 <150> PRIOR APPLICATION NUMBER: US 08/027,146
36 <151> PRIOR FILING DATE: 1993-03-05
38 <160> NUMBER OF SEQ ID NOS: 2436
40 <170> SOFTWARE: FastSEQ for Windows Version 4.0
42 <210> SEQ ID NO: 1
43 <211> LENGTH: 9
44 <212> TYPE: PRT
45 <213> ORGANISM: Artificial Sequence ✓
47 <220> FEATURE:
48 <223> OTHER INFORMATION: Artificial Peptide ✓
50 <400> SEQUENCE: 1
51 Ala Ser Glu Tyr Leu Gln Leu Val Phe
52 1 5
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 10
57 <212> TYPE: PRT
58 <213> ORGANISM: Artificial Sequence ✓
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Artificial Peptide ✓
63 <400> SEQUENCE: 2
64 Ala Ser Ser Phe Ser Thr Thr Ile Asn Tyr
65 1 5 10
68 <210> SEQ ID NO: 3
69 <211> LENGTH: 10
70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial Sequence ✓

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73 <220> FEATURE:
74 <223> OTHER INFORMATION: Artificial Peptide ✓
76 <400> SEQUENCE: 3
77 Asp Leu Val Gln Glu Asn Tyr Leu Glu Tyr
78 1 5 10
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 8
83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Artificial Peptide ✓
89 <400> SEQUENCE: 4
90 Glu Leu Ser Met Leu Glu Val Phe
91 1 5
94 <210> SEQ ID NO: 5
95 <211> LENGTH: 10
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Artificial Peptide ✓
102 <400> SEQUENCE: 5
103 Glu Leu Val His Phe Leu Leu Leu Lys Tyr
104 1 5 10
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 10
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Artificial Peptide ✓
115 <400> SEQUENCE: 6
116 Glu Ser Val Leu Arg Asn Cys Gln Asp Phe
117 1 5 10
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 11
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Artificial Peptide ✓
128 <400> SEQUENCE: 7
129 Glu Ser Val Leu Arg Asn Cys Gln Asp Phe Phe
130 1 5 10
133 <210> SEQ ID NO: 8
134 <211> LENGTH: 11
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Artificial Peptide ✓
141 <400> SEQUENCE: 8
142 Glu Val Phe Glu Gly Arg Glu Asp Ser Val Phe

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Input Set : A:\146 SEQLIST.TXT
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143 1 5 10
146 <210> SEQ ID NO: 9
147 <211> LENGTH: 9
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Artificial Peptide ✓
154 <400> SEQUENCE: 9
155 Glu Val Val Pro Ile Ser His Leu Tyr
156 1 5
159 <210> SEQ ID NO: 10
160 <211> LENGTH: 10
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Artificial Peptide ✓
167 <400> SEQUENCE: 10
168 Phe Ser Thr Thr Ile Asn Tyr Thr Leu Trp
169 1 5 10
172 <210> SEQ ID NO: 11
173 <211> LENGTH: 9
174 <212> TYPE: PRT
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Artificial Peptide ✓
180 <400> SEQUENCE: 11
181 Gly Ser Asp Pro Ala Cys Tyr Glu Phe
182 1 5
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 11
187 <212> TYPE: PRT
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Artificial Peptide ✓
193 <400> SEQUENCE: 12
194 Gly Ser Asp Pro Ala Cys Tyr Glu Phe Leu Trp
195 1 5 10
198 <210> SEQ ID NO: 13
199 <211> LENGTH: 9
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Artificial Peptide ✓
206 <400> SEQUENCE: 13
207 His Ser Pro Gln Gly Ala Ser Ser Phe
208 1 5
211 <210> SEQ ID NO: 14
212 <211> LENGTH: 10
213 <212> TYPE: PRT

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Input Set : A:\146 SEQLIST.TXT
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214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Artificial Peptide ✓
219 <400> SEQUENCE: 14
220 Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr
221 1 5 10
224 <210> SEQ ID NO: 15
225 <211> LENGTH: 11
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Artificial Peptide ✓
232 <400> SEQUENCE: 15
233 Ile Ser Arg Lys Met Val Glu Leu Val His Phe
234 1 5 10
237 <210> SEQ ID NO: 16
238 <211> LENGTH: 10
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Artificial Peptide ✓
245 <400> SEQUENCE: 16
246 Lys Ile Gly Gly Glu Pro His Ile Ser Tyr
247 1 5 10
250 <210> SEQ ID NO: 17
251 <211> LENGTH: 8
252 <212> TYPE: PRT
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Artificial Peptide ✓
258 <400> SEQUENCE: 17
259 Lys Met Val Glu Leu Val His Phe
260 1 5
263 <210> SEQ ID NO: 18
264 <211> LENGTH: 11
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Artificial Peptide ✓
271 <400> SEQUENCE: 18
272 Leu Leu Met Gln Asp Leu Val Gln Glu Asn Tyr
273 1 5 10
276 <210> SEQ ID NO: 19
277 <211> LENGTH: 10
278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Artificial Peptide ✓
284 <400> SEQUENCE: 19

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285 Leu Met Gln Asp Leu Val Gln Glu Asn Tyr
286 1 5 10
289 <210> SEQ ID NO: 20
290 <211> LENGTH: 9
291 <212> TYPE: PRT
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Artificial Peptide ✓
297 <400> SEQUENCE: 20
298 Leu Val His Phe Leu Leu Leu Lys Tyr
299 1 5
302 <210> SEQ ID NO: 21
303 <211> LENGTH: 9
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Artificial Peptide ✓
310 <400> SEQUENCE: 21
311 Leu Val Gln Glu Asn Tyr Leu Glu Tyr
312 1 5
315 <210> SEQ ID NO: 22
316 <211> LENGTH: 9
317 <212> TYPE: PRT
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Artificial Peptide ✓
323 <400> SEQUENCE: 22
324 Leu Val Thr Cys Leu Gly Leu Ser Tyr
325 1 5
328 <210> SEQ ID NO: 23
329 <211> LENGTH: 10
330 <212> TYPE: PRT
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Artificial Peptide ✓
336 <400> SEQUENCE: 23
337 Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr
338 1 5 10
341 <210> SEQ ID NO: 24
342 <211> LENGTH: 10
343 <212> TYPE: PRT
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Artificial Peptide ✓
349 <400> SEQUENCE: 24
350 Gln Val Pro Gly Ser Asp Pro Ala Cys Tyr
351 1 5 10
354 <210> SEQ ID NO: 25
355 <211> LENGTH: 10

```

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 10/01/2001

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Input Set : A:\146 SEQLIST.TXT

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L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:28820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2213